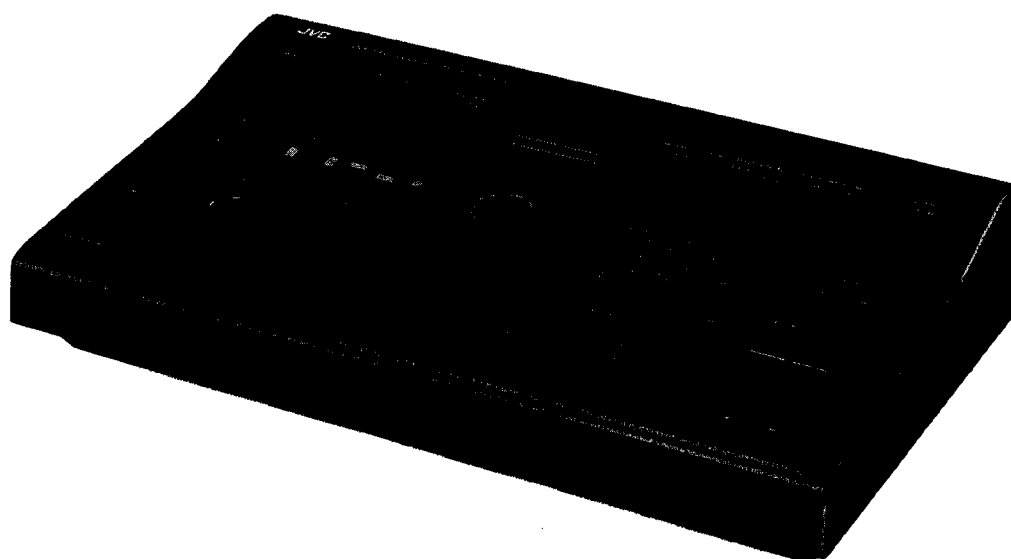


INSTRUCTIONS
JX-SV77
VIDEO EDITING PROCESSOR



IMPORTANT (In the United Kingdom)
Mains Supply (AC 240 V~, 50 Hz only)

IMPORTANT

Do not make any connection to the Larger Terminal coded E or Green. The wires in the mains lead are coloured in accordance with the following code:



If these colours do not correspond with the terminal identifications of your plug, connect as follows:

Blue wire to terminal coded N (Neutral) or coloured Black.

Brown wire to terminal coded L (Live) or coloured Red.

If in doubt — consult a competent electrician.

**WARNING: TO REDUCE THE RISK OF
FIRE OR ELECTRIC SHOCK, DO NOT
EXPOSE THIS APPLIANCE TO RAIN OR
MOISTURE.**

**VARNING: FÖR ATT ELIMINERA RISK FÖR
ELEKTRISKA STÖTAR OCH ÖVERSLAG I
APPARATEN SKALL APPARATEN EJ UT-
SÄTTAS FÖR REGN ELLER FUKT.**

BEMAERK: I stilling OFF er apparatet stadig forbundet
med lysnettet hvis det ønskes fuldstændig afbrudt skal
netledningen trækkes ud.

VARNING

Strömställaren POWER är sekundärt kopplad och skijer inte
apparaten från nätet i fränkopplat läge. För att apparaten
skall skijas från nätet skall nätsladden dras ur från väggut-
get.

Thank you for purchasing this JVC product.
Before you begin operating this unit, please read
the instructions carefully to be sure you get the
best possible performance.

If you have any questions, consult your JVC
dealer.

ENGLISH INSTRUCTIONS

..... Page 2 — 27

Wir danken Ihnen für den Kauf dieses Geräts.
Bitte lesen Sie die Anleitung sorgfältig durch,
um alle Funktionen voll ausschöpfen zu können.
Falls Sie irgendwelche Fragen haben, wenden
Sie sich bitte an Ihren JVC-Händler.

DEUTSCHE BEDIENUNGSANLEITUNG

..... Seite 28 — 53

Nous vous remercions d'avoir porté votre choix
sur cet appareil JVC.

Pour pouvoir obtenir les meilleures perfor-
mances de l'appareil, veuillez lire attentivement
ces instructions avant l'utilisation.

Pour toute question, veuillez vous adresser à
votre revendeur JVC.

INSTRUCTIONS EN FRANÇAIS

..... Page 54 — 79

Antes que nada, deseamos agradecerle por la
compra de este producto JVC.

Antes de poner esta unidad en operación,
asegúrese de leer detenidamente estas instruc-
ciones para obtener, de tal modo, el mejor
rendimiento posible.

Por cualquier duda o pregunta, sírvase dirigirse a
su concesionario JVC.

INSTRUCCIONES EN ESPAÑOL

..... Página 80 — 105

Tack för valet av denna JVC-produkt.

Läs bruksanvisningen noggrant innan du börjar
använda apparaten, så att du får ut mesta möjliga
av den. Kontakta din JVC-handlare, om du har
några frågor.

ANVISNINGAR PÅ SVENSKA

..... Sid. 106 — 131

CAUTION

To reduce the risk of electrical shocks, fire, etc.:

1. Do not remove screws, covers or cabinet.
2. Do not expose this appliance to rain or moisture.

*It may be unlawful to record or play back copyrighted material without the consent of the copyright owner.

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| Description and functions | 3 |
| Connections | 6 |
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IMPORTANT

1. Installation

- Select a place which is level, dry and neither too hot nor too cold (between -5°C and 40°C/23°F and 104°F).
- Keep away from direct sunlight.
- Do not put it too close to a heater.

2. Power cord

- Do not handle the power cord with wet hands!
- Do not bend the power cord sharply.
- When unplugging from the wall outlet, always pull the plug, not the power cord.

3. Malfunctions, etc.

- There are no user serviceable parts inside.
If anything goes wrong, unplug the power cord and consult your dealer.
- Do not insert any metallic object.
- Do not allow water to get inside.

FEATURES

●Multi-function video editing processor, fully compatible with Super VHS VCRs and camcorders

Two source inputs, a recording output and a monitor output — all with connectors compatible with Super VHS.

●Versatile wipe function with background colour generator

Up to 16 wipe patterns are available by combining basic 5 patterns, with 8 background colours.

●Video/audio faders

Picture and sound can be faded in and out independently; the picture can be faded to and from any of 8 background colours.

●Versatile character generator function

Any required titles can be created on the monitor screen and recorded on the VCR, with a 5-page memory which includes a scroll page. User-created titles can be displayed in any of three ways; "insert", "fade in/out" or "scroll".

●Easy colour balancing with joystick controller

The white balance of the picture can be compensated easily using a joystick, with a Wide Range button when more compensation is required.

●Audio mixing function

Audio mixing is possible with either AUX or microphone inputs; audio level meter provided.

●Image enhancement

Variable image enhancer reduces picture degradation during editing.

●Colour level adjustment

Makes adjusting colour intensity easy.

●Editing control function

When used together with specific JVC VCRs (with remote pause jacks), recording and playback can be started and paused with the operations of the VCRs synchronized.

●Colour bar generator built-in

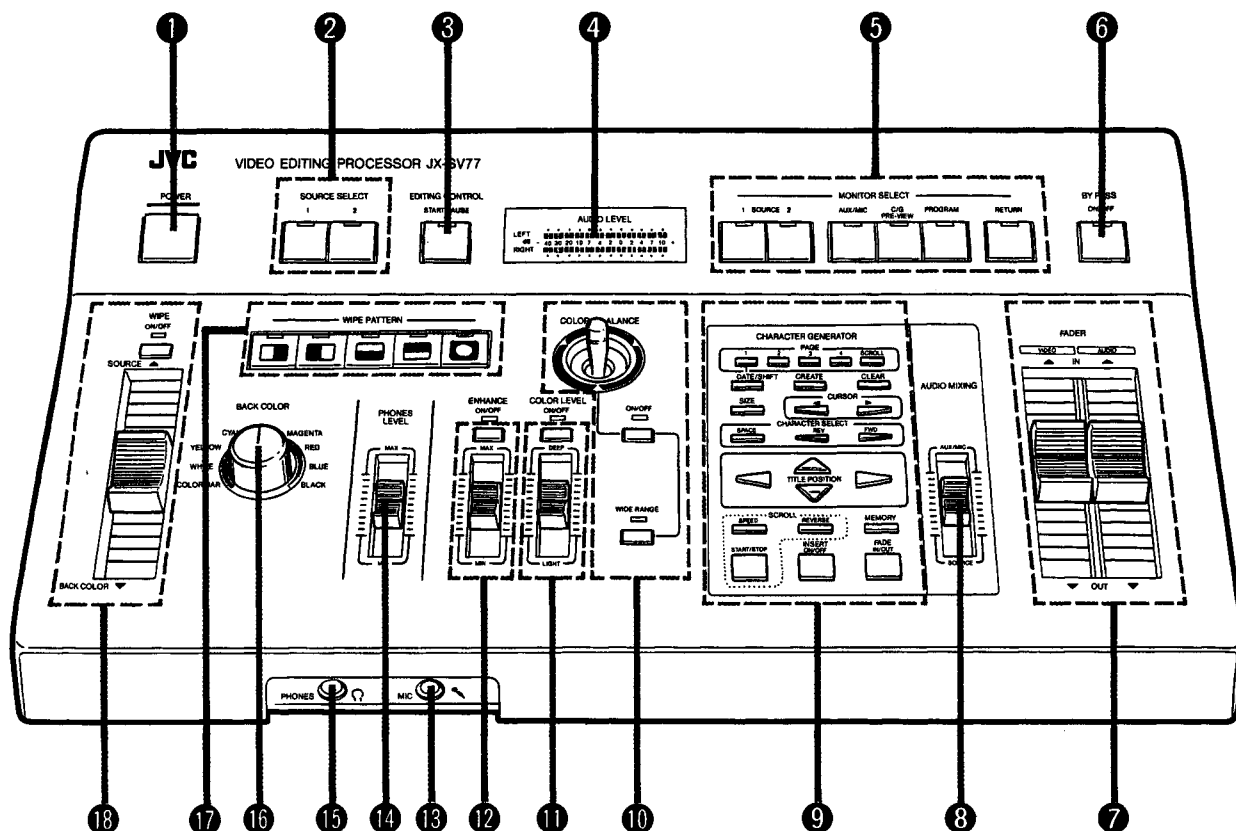
A convenient colour bar generator is built in for the adjustment of monitors, etc.

●Bypass switch provided

Bypass switch allows you to check the input source and the edited output by pressing a single button.

DESCRIPTION AND FUNCTIONS

< CONTROL PANEL AND FRONT PANEL >



1 POWER button

Press this button to turn the power ON.
The JX-SV77 consumes approximately 2.5 watts of electricity even when the power is OFF, to back up the memory holding switch/control settings.

2 SOURCE SELECT buttons

Press these buttons to select the input source.

3 EDITING CONTROL button

Press this button to start the playback and recording VCRs simultaneously. Pressing it again sets both VCRs to the pause/still mode. (Only with certain JVC VCRs.)

4 AUDIO LEVEL meter

This indicates the level of the audio signal output from the MONITOR connector.

5 MONITOR SELECT buttons

SOURCE 1/2 buttons:

Select the input signals (picture and sound before processing) to be monitored with these buttons.

AUX/MIC button:

Press this button to select the sound input from either the AUX or MIC jacks.

C/G PRE-VIEW button:

Press this button when the characters are only to be superimposed on the screen of the TV connected via the MONITOR output (when creating titles).

The buttons in the Character Generator control section are effective only when this is ON.

PROGRAM button:

Press this button to monitor the signals output from the REC OUT jacks. With this button ON, buttons in the Character Generation control section do not function.

RETURN button:

Press this button to monitor the signal returned from the VCR used for recording.

6 BY PASS button

Press this button to feed the input signal directly to the output jacks (with no processing in the JX-SV77).

7 FADER controls

VIDEO FADER controller:

Use to fade the picture in and out. Normally set to the top (IN) position. Slide toward the bottom (OUT) for the background colour selected with the BACK COLOR knob.

AUDIO FADER controller:

Use to fade the sound in and out. Normally set to the top (IN) position. Slide toward the bottom (OUT) to decrease the output level.

8 AUDIO MIXING control

Use this to mix the sound from the AUX audio inputs or MIC jack with the source sound.

9 CHARACTER GENERATOR control panel

Use these buttons to select the characters to be superimposed on the picture.

Refer to "Character Generator Controls" on page 4.

10 COLOR BALANCE controls

COLOR BALANCE ON/OFF button:

Press this button to use the COLOR BALANCE joystick.

COLOR BALANCE joystick:

Adjust the white balance or tint of the picture with this joystick.

WIDE RANGE button:

Press this button to widen the control range of the colour balance.

11 COLOR LEVEL controls

COLOR LEVEL ON/OFF button:

Press this button to ON to change the colour intensity.

COLOR LEVEL controller:

Slide this control toward LIGHT to decrease the colour intensity and toward DEEP to increase it.

12 ENHANCER controls

ENHANCER ON/OFF button:

Press this button to activate the enhancer.

ENHANCER controller:

Slide this control toward MAX to increase the enhancement effect and toward MIN to decrease it.

13 MIC jack

Plug a microphone into this jack when mixing the sound picked up from the microphone with the source sound.

14 PHONES LEVEL control

Adjust the output level of the headphone sound with this knob.


15 PHONES jack

Connect stereo headphones to this jack to monitor the sound output from the MONITOR output connector.

16 BACK COLOR select knob

Select the background colour for wipes and fades with this knob. Set to the COLOR BAR position to select the colour bar chart.

17 WIPE PATTERN select buttons

Select the required wipe pattern with these buttons. Various wipe patterns are available by combining these basic patterns (except for circle  pattern).

18 WIPE controls

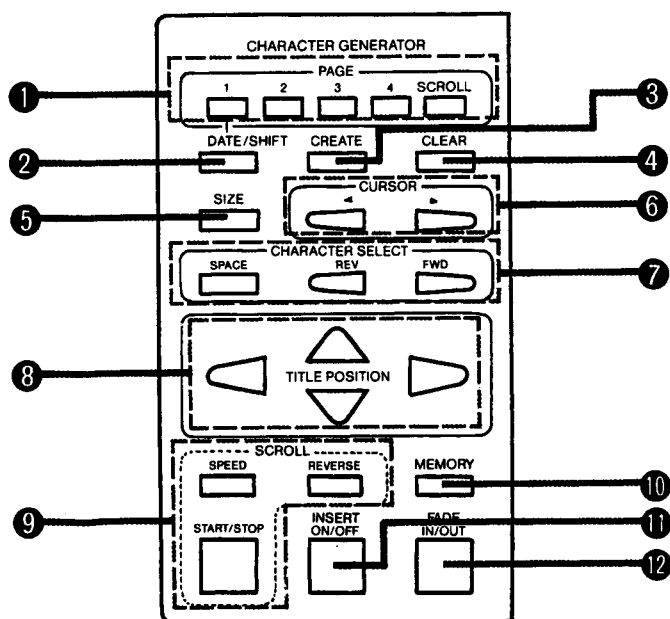
WIPE ON/OFF button:

Press this button to ON to activate the wipe function.

WIPE controller:

Slide this knob toward SOURCE to wipe the picture in and toward BACK COLOR to wipe it out.

< CHARACTER GENERATOR CONTROLS >



1 PAGE select buttons

Select one among five pages; PAGE 1 to PAGE 4 and SCROLL. Press these buttons a second time to emphasize the characters by adding the black outline around each (white) character. (Press a third time to remove the outline.)

2 DATE/SHIFT button

This button functions to turn the date indication ON and OFF when PAGE 1 is selected. Otherwise, it functions as a SHIFT button (to alternate between button functions when setting the position of the "headline" on the SCROLL page).

3 CREATE button

Press this button to create titles.

4 CLEAR button

Press this button to cancel all the titles created on the selected page.

5 SIZE button

Press this button to change the size of the characters on the selected page. Up to 5 sizes are available, except for the titles on PAGE 1.

6 CURSOR (◀, ▶) buttons

These buttons are used to move the cursor when creating titles. Press ◀ to move the cursor to the left and press ▶ to move it to the right.

7 CHARACTER SELECT buttons

SPACE button:

Press this button to leave a space between characters.

REV, FWD buttons:

These buttons are used to select the required character. Press FWD to change the letters in ascending order, and press REV to change in descending order.

8 TITLE POSITION buttons

Press these buttons to select the position in which the titles are to be placed on the screen.

9 SCROLL control buttons

(Effective only when SCROLL is selected.)

SCROLL SPEED button:

Press this button to vary the scrolling speed. The scroll speed can be selected in four steps.

SCROLL REVERSE button:

Press this button to reverse the scrolling direction. (Normally, titles are scrolled from the bottom to the top of the screen.)

SCROLL START/STOP button:

Press this button to start scrolling. Press it again to stop scrolling.

10 MEMORY button

Press this button to store the title you have created in memory. While creating titles, press this button to change from one page to another.

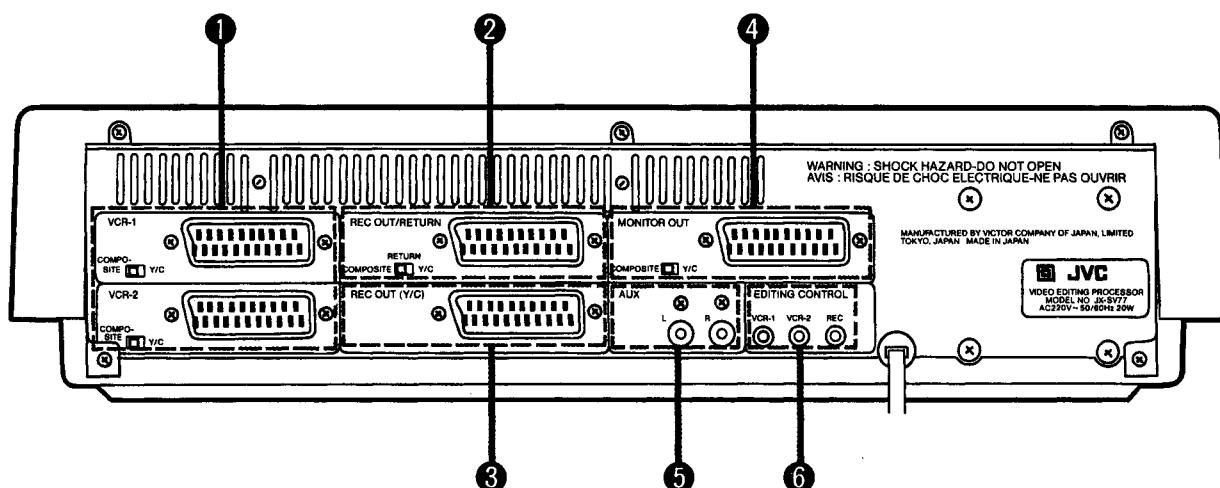
11 INSERT ON/OFF button

Press this button to turn the superimposition of the stored titles to be output to the REC OUT jacks on and off.

12 FADE IN/OUT button

Press this button to fade the superimposed titles output to the REC OUT jacks in and out.

< REAR PANEL >



1 VCR-1, VCR-2 input connectors and signal select switches

Connect the output connectors of the VCRs used for play-back to these connectors. Set the signal select switches (COMPOSITE or Y/C) to the appropriate positions, depending on whether the input signals are composite or Y/C separated video signals.

2 REC OUT/RETURN connector and signal select switch

Connect the input/output connector of the VCR used for recording to this connector. The video signal output from this connector is a composite signal.

When using the RETURN function, the video signal returned from the VCR used for recording can be selected by the setting signal select switch to the appropriate position, depending on whether the signal is a composite or Y/C separated video signal.

3 REC OUT (Y/C) connector

Connect the input connector of the Super VHS VCR used for recording to this connector. Only a Y/C separated video signal is output from this connector.

4 MONITOR OUT connector and signal select switch

Connect the input terminals of the monitor TV to this connector. The signal output from this connector can be switched between a composite or Y/C separated video signal with the signal select switch.

5 AUX input terminals

Connect the output terminals of an outboard audio component to these terminals, using conventional pin-jack cables. The signals input to these terminals will be cancelled automatically when the microphone is plugged into the MIC jack.

6 EDITING CONTROL connectors

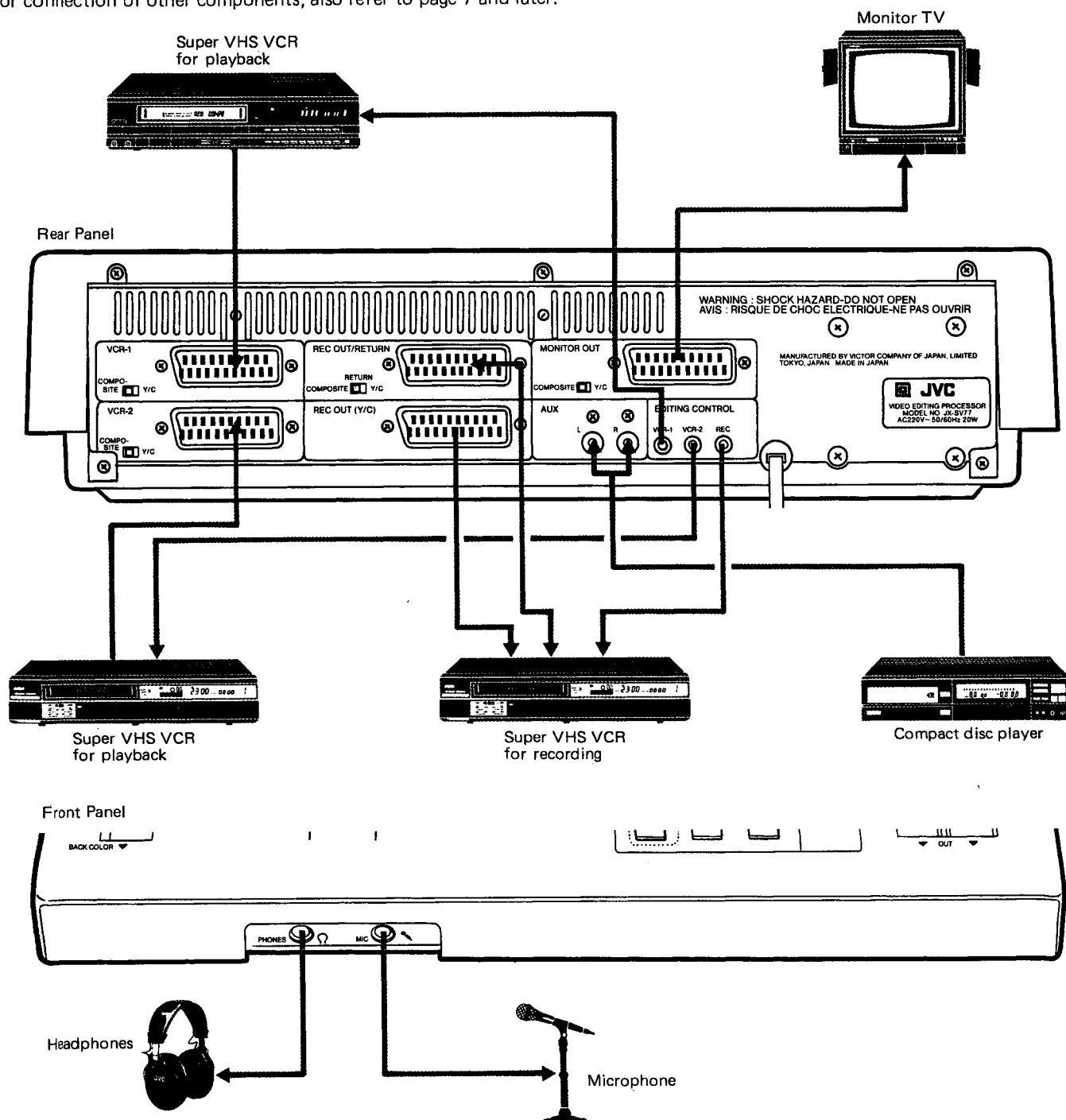
When suitable JVC VCRs are used for recording and play-back, connect their Remote Pause jacks here.

CONNECTIONS

- The following connection diagrams show some examples of connection of the JX-SV77 in your video/audio system. Please read the instructions of the components to be connected with this unit.
- Before making connections, make sure that the power of all components is turned OFF.

■ System Connection Example

- For connection of other components, also refer to page 7 and later.

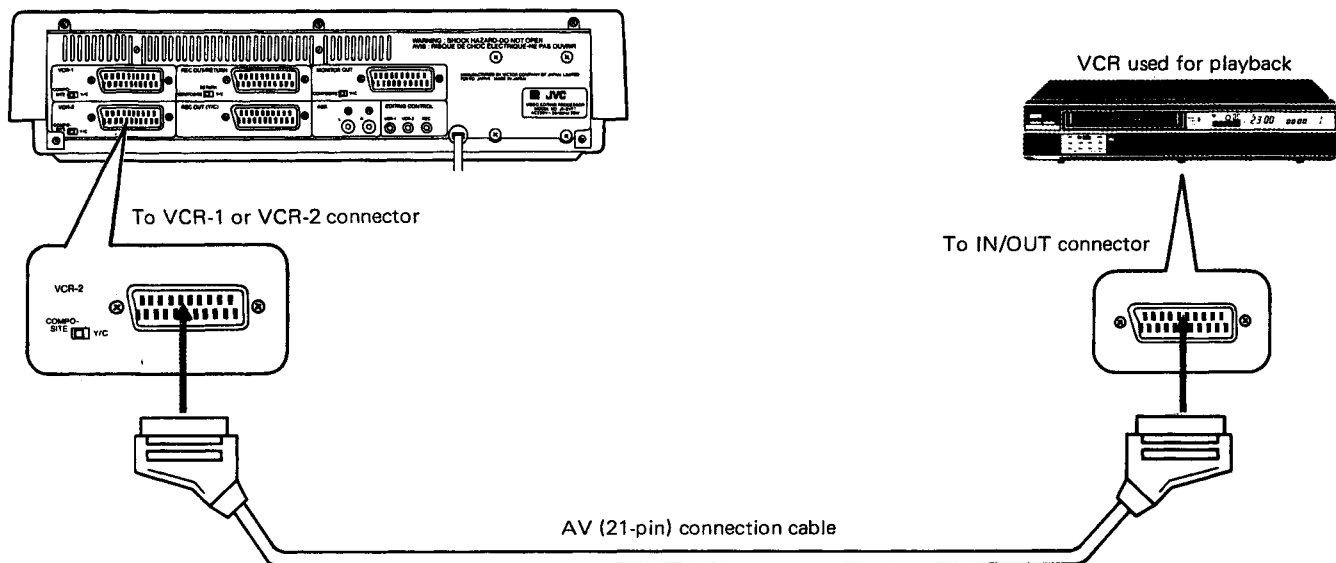


Note:

- Do not connect VCRs other than specified JVC models to the EDITING CONTROL jacks on the rear panel. They will not work correctly and may cause malfunctions. For JVC VCRs that can be connected to these jacks, refer to page 20.

■ SOURCE (VCR-1/2) Connectors

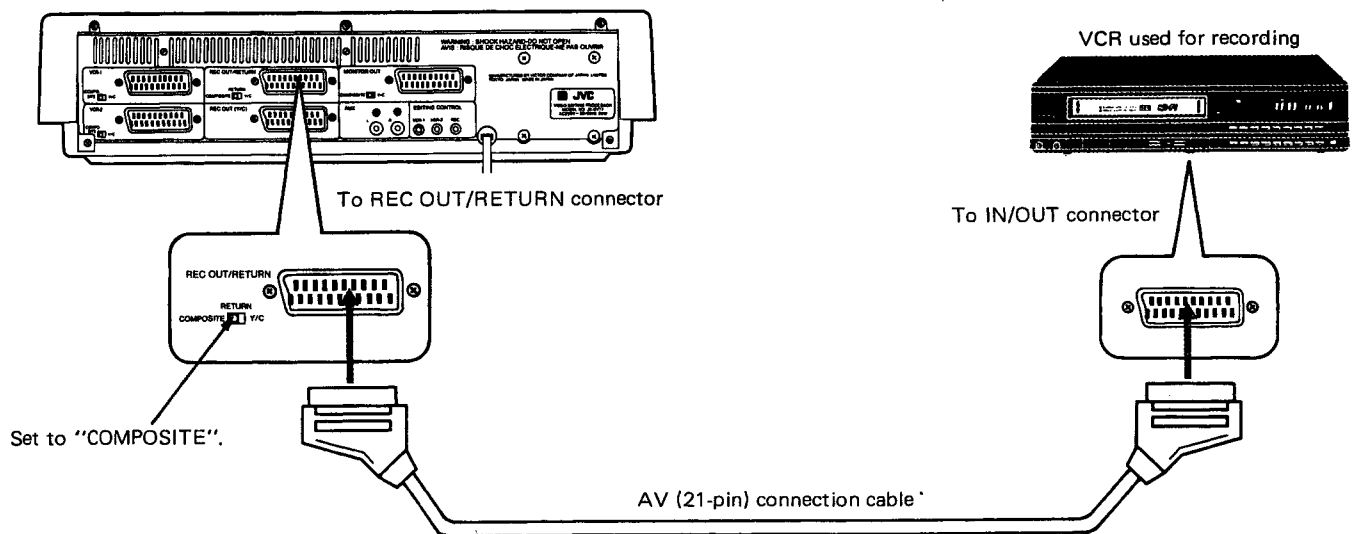
Connection of playback VCR:



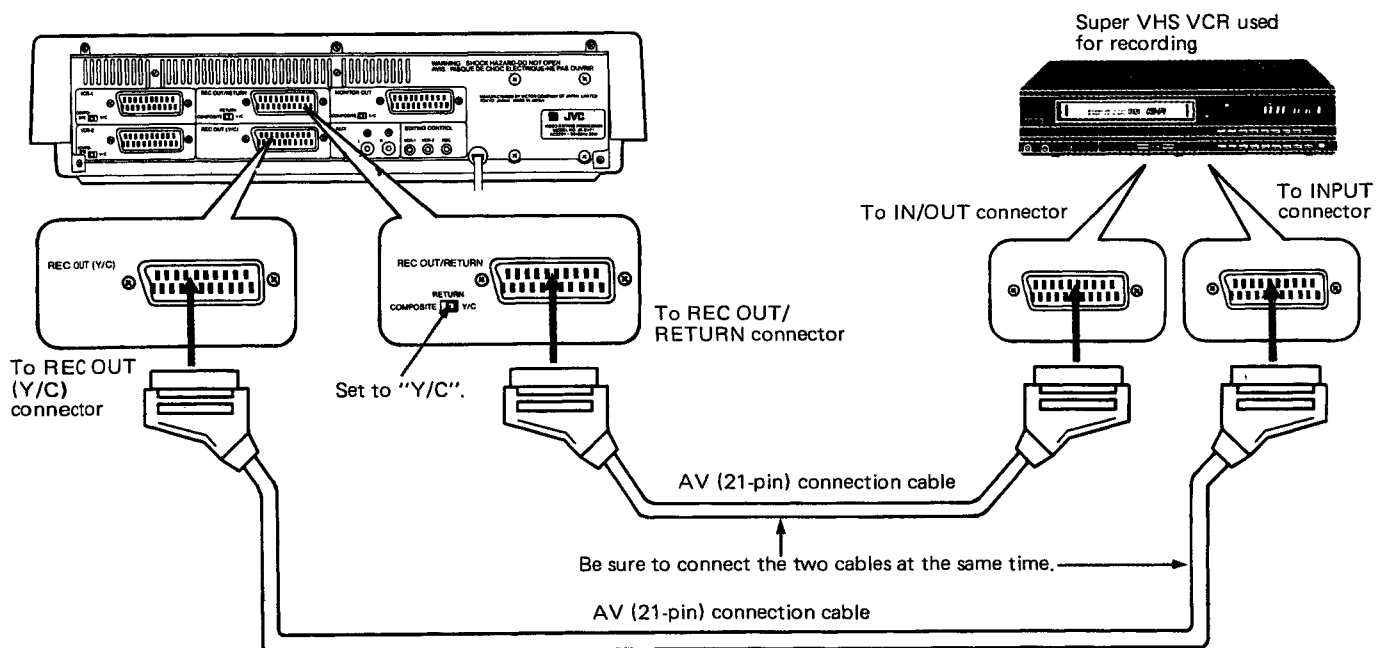
- Set the signal select switches at the side of the connectors to either the COMPOSITE or Y/C position according to the setting of output signal selector on the playback VCR.

■ REC OUT/RETURN and REC OUT (Y/C) Connectors

When recording and playing back with "composite" video signal:



When recording and playing back a "Y/C separated" video signal:

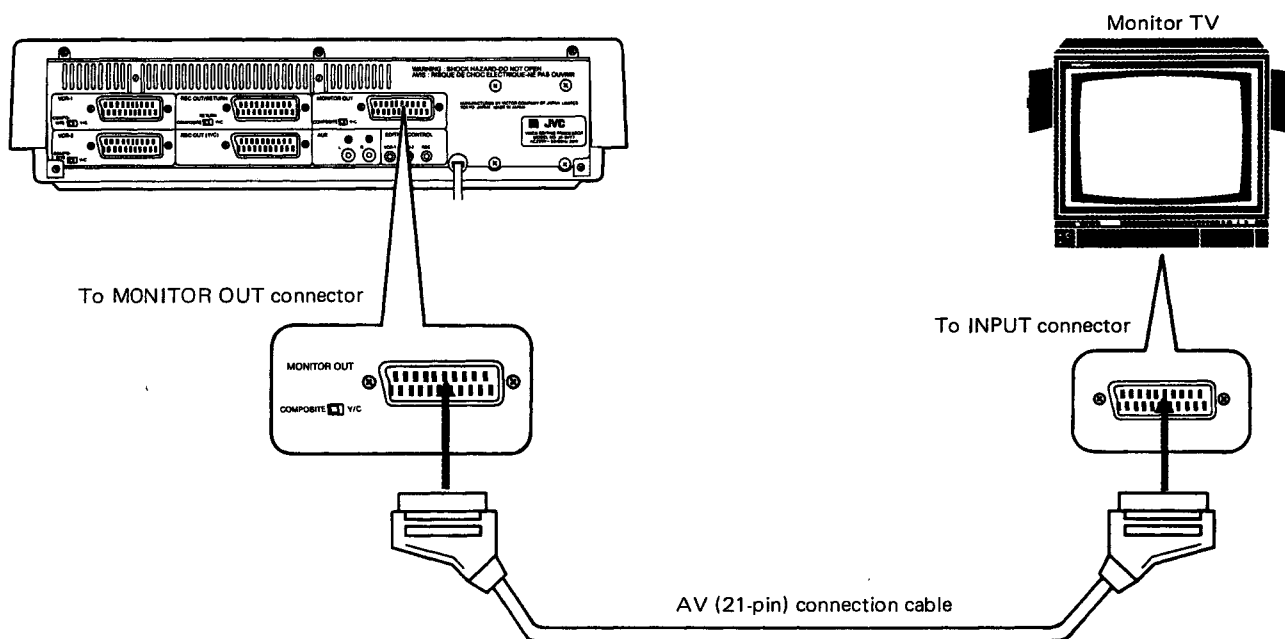


Note:

- Set the input selector (composite or Y/C) on the recording VCR connected to the REC OUT (Y/C) connector to the "Y/C" position. Also, when playing back the tape on the VCR used for recording, set the video output switch on the VCR to the "Y/C" position.

■ MONITOR OUT Connector

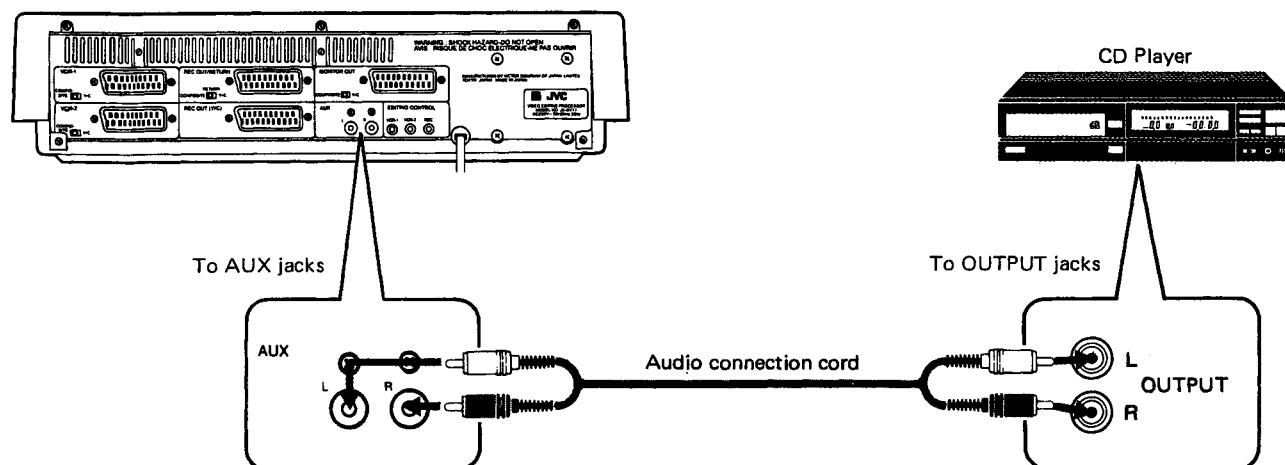
Connection to monitor TV:



- Set the output signal select switch to the "COMPOSITE" position when monitoring a composite video signal, and set it to the "Y/C" position when monitoring a Y/C separated video signal.

■ AUX Audio Input Terminals

Connection to Compact Disc player:



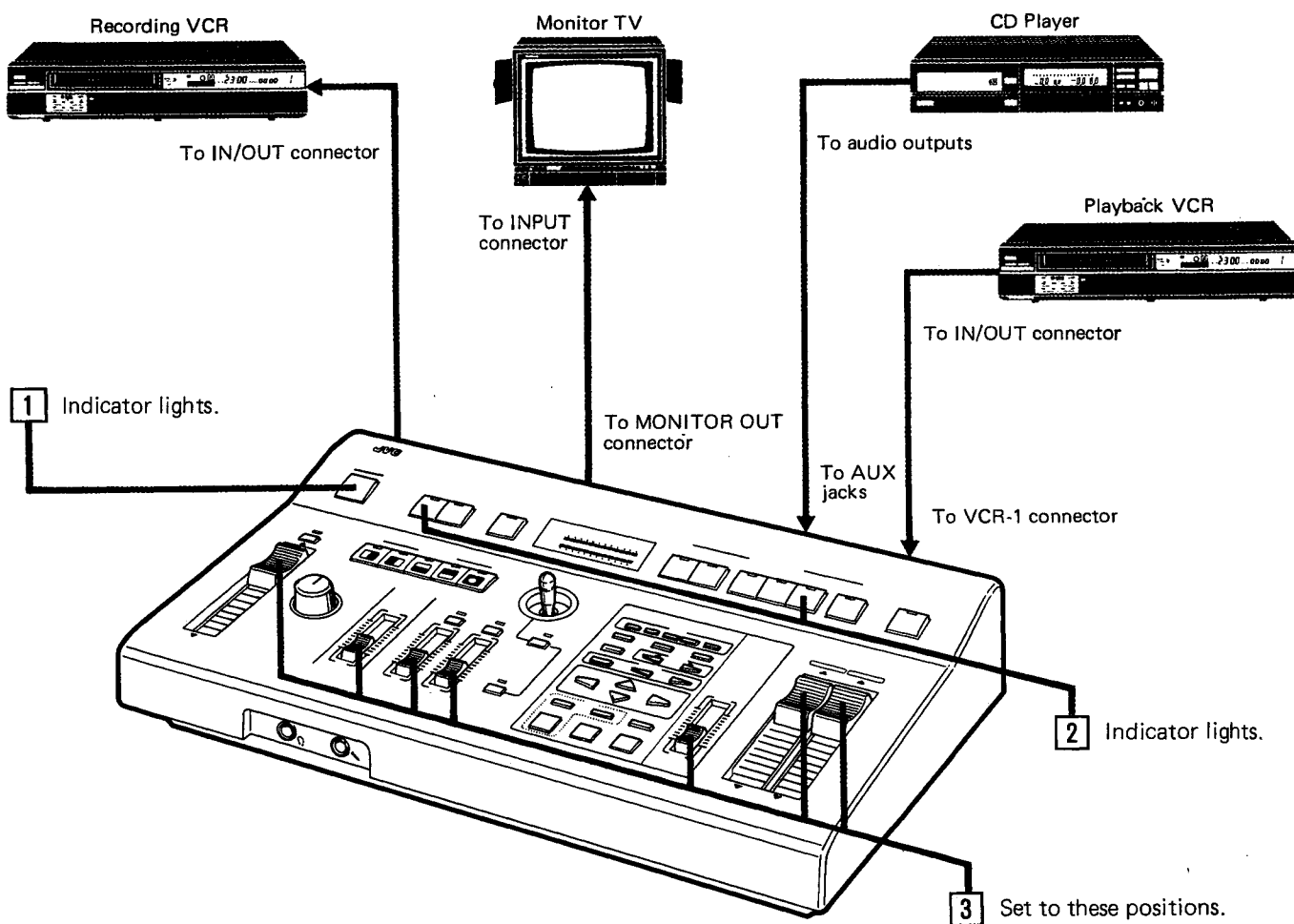
OPERATION (Basic Operations)

- The following diagram shows an example of connections, and is used to explain the operating procedure.
- Also carefully read the instructions of the components connected to this unit.

■ Before Operating

- First make preparations before starting operations.

Connection Example:



- 1 Connect the components as shown above, referring to the "Connections" on page 6 – 9, and press the POWER buttons of the JX-SV77 and other components to switch them on.
- 2 Press the SOURCE SELECT "1" button and the MONITOR SELECT "PROGRAM" button. (All other buttons should be OFF.)
- 3 Set the knobs and FADER controls as shown in the above diagram.

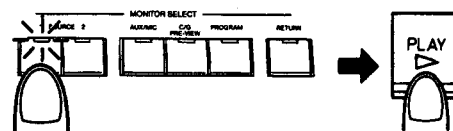
■ How to Use MONITOR

To monitor the signal from the VCR-1 deck used for playback:

<Preparations>

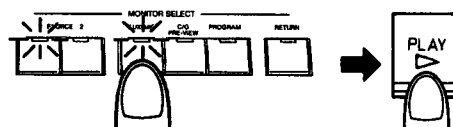
Perform the operations in "Before operating" steps 1 – 3 on page 10.

- 1 Press the MONITOR SELECT "SOURCE 1" button.
- 2 Play back the VCR-1 deck used for playback.

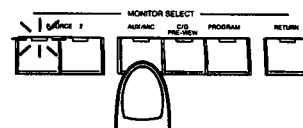


To monitor the signal from the AUX jacks (CD player):

- 1 Press the MONITOR SELECT "AUX/MIC" button so that the indicator lights. At this time, check that the "SOURCE 1" indicator is lit.
- 2 Play back the CD player, etc. connected to the AUX jacks. At this time, check that the microphone is not connected to the MIC jack.



- 3 To monitor the input signal from the playback VCR-1 again, press the AUX/MIC button again or press the SOURCE 1 button.

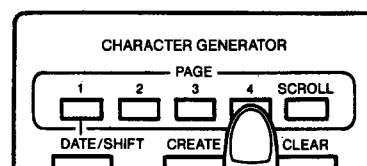
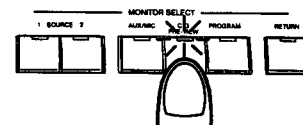


To monitor the character generator:

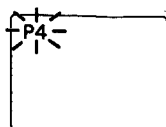
<Preparations>

Play back the VCR deck used for playback.

- 1 Press the MONITOR SELECT "C/G PRE-VIEW" button.
- 2 Press the page button in the Character Generator control section corresponding to the required page memory. If titles have been stored in memory, they will be superimposed on the picture.



- 3
- When page indication appears (shows the create mode):

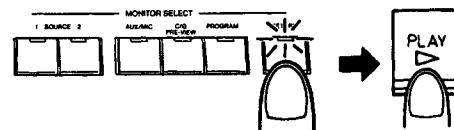


- If no page indication appears (shows that the INSERT switch is ON):



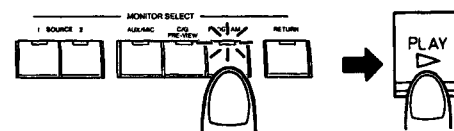
When monitoring an edited tape with the recording VCR:

- 1 Press the MONITOR SELECT "RETURN" button.
- 2 Rewind the tape to the point at which you want to start monitoring and play it back.



To preview an edit using VCR-1 and AUX:

- 1 Press the MONITOR SELECT "PROGRAM" button.
- 2 Set the playback VCR (VCR-1) or CD player, etc. (connected to the AUX jacks) to the playback mode and perform the required functions using the wipe and fader controls of the JX-SV77, to preview the processed picture and sound.



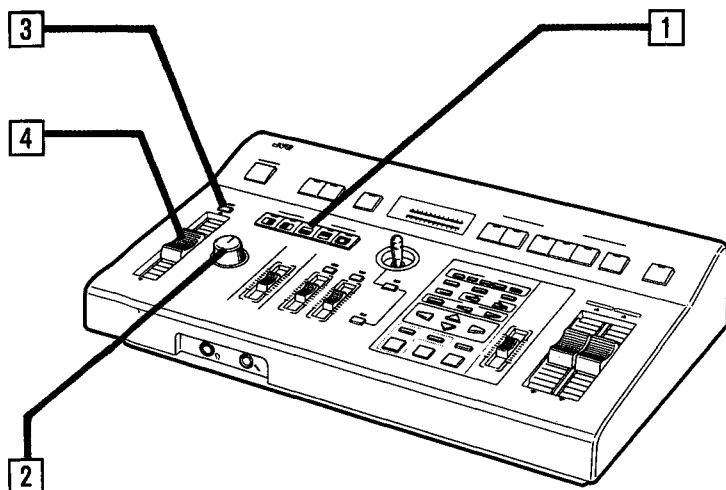
Cautions on editing:

- Background colour output, white balance adjustment, creating titles with the character generator and other video processing cannot be done unless a video signal is input.
- The picture from a pre-recorded tape may be different from that seen on the monitor in terms of colours or noise, depending on the VCR and the video tape used. It is advisable to perform a test recording in advance.
- The output of the background colour may be different due to improper colour adjustment, depending on the monitor TV used.
- When video tape having an unsatisfactory video synchronizing signal due to repeated editing or a video source with a high level of noise is used, picture instability, incorrect background colour or unstable wipe patterns may occur. This does not indicate a malfunction of this unit.
- Switching of SOURCE SELECT buttons during edit recording may disturb the picture. Do not switch the sources during recording.

■ How to Use WIPE Function

- To wipe the picture in and out.

The picture on the screen can be replaced with the required background colour in a variety of patterns using the wipe function.

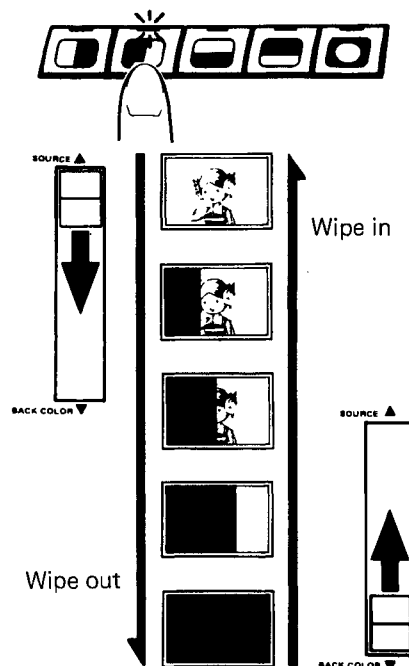


<Preparations>

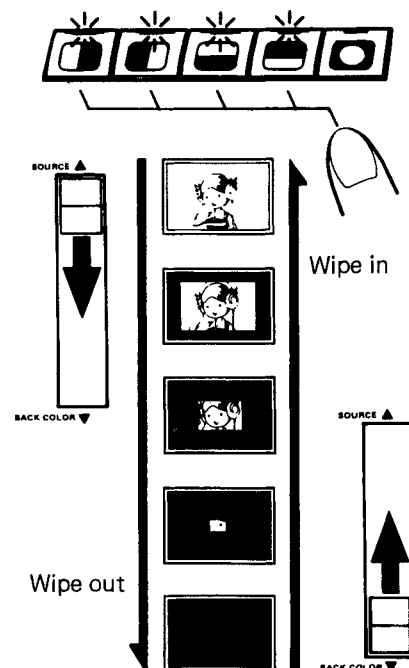
Perform the operations in "Before operating" steps 1 – 3 on page 10 to play back the VCR-1 deck used for playback.

- 1 Press the WIPE PATTERN button, and select the required pattern.
With the 5 WIPE PATTERN buttons (), any of four patterns except for circle wipe () can be used in any combination, making possible 16 wipe patterns.
- 2 Use the BACK COLOR knob to select any of eight background colours (white, yellow, cyan, green, magenta, red, blue, black) or a colour bar chart.
- 3 Press the WIPE button.
- 4 Slide down the WIPE controller to wipe the picture out and slide up it to wipe the picture in.

Example of wiping out



Example of wiping in



Notes on use of WIPE function:

- When a picture without a colour signal (such as that from a monochrome (B/W) video camera) is used, the background colour selected will not appear.
- When the quality of the input video signal is poor, the background colour may be modified slightly, noise may increase or

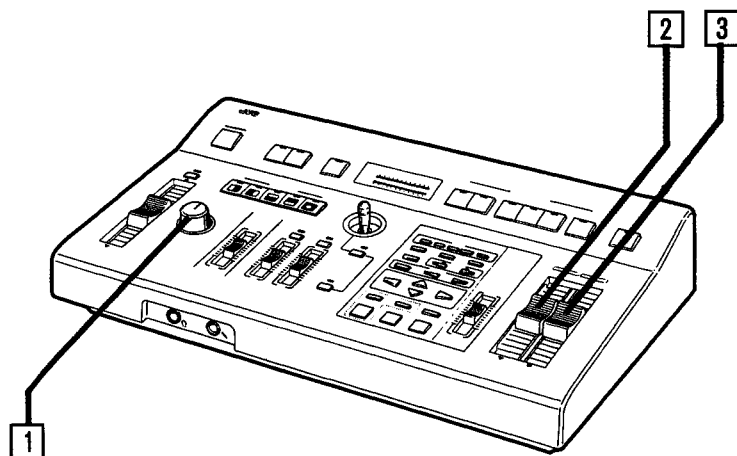
wiping may not be done cleanly. Also refer to "Cautions on editing" on page 12.

- When the wipe pattern is changed or the playback VCR is set to the still mode during wiping, the wipe pattern may fluctuate or the picture may be distorted.

■ How to Use FADER Function

- To fade the picture and sound in and out.

The picture on the source screen can be faded in and out gradually with the required background colour, while the sound can be also faded in and out simultaneously or independently.



<Preparations>

Perform the operations in "Before operating" steps 1 – 3 on page 10 to play back the VCR-1 deck used for playback.

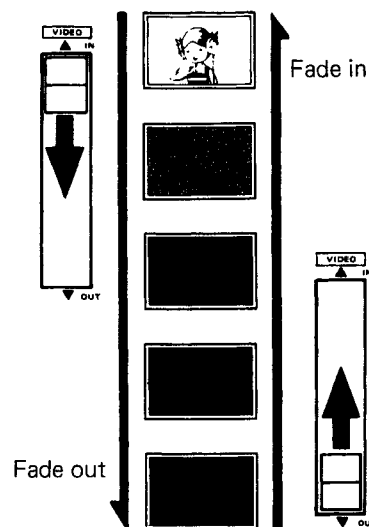
Video fading:

- 1 Select the required background colour with the BACK COLOR knob.
- 2 Slide down the VIDEO FADER control to fade out the picture, and slide up it to fade the picture in again.

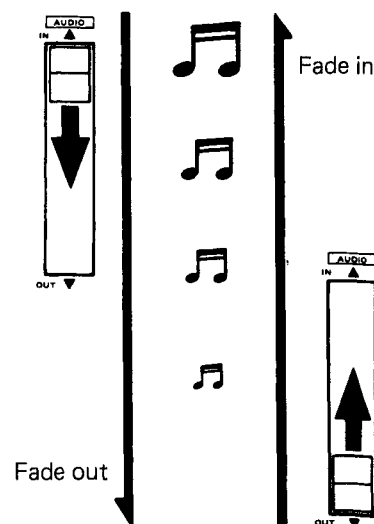
Audio fading:

- 3 Slide down the AUDIO FADER control to decrease the level of output sound gradually, and slide up it to increase the level of output sound.

Example of video fading



Example of audio fading

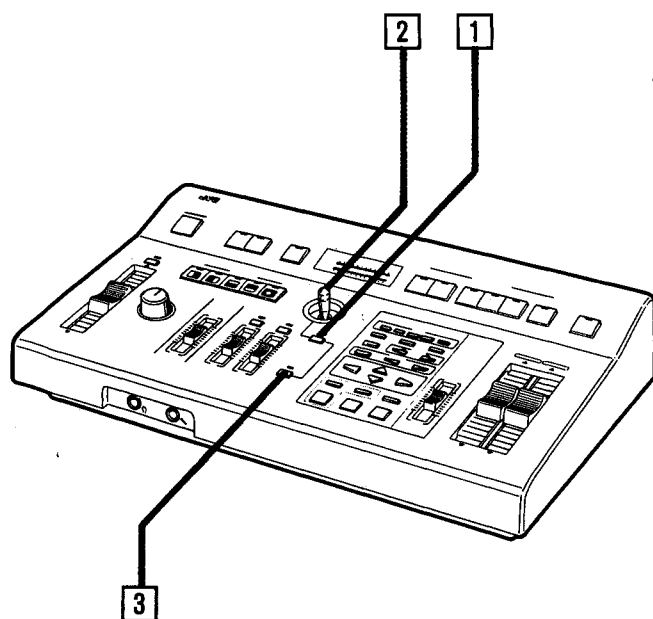


Notes on use of FADER function:

● When the quality of the input signal is poor, the background colour may be modified slightly, noise may increase or fading in/out may not be done cleanly. Also refer to "Cautions on editing" on page 12.

● When the wipe and video fader functions are used simultaneously, the brightness of the picture may be changed slightly depending on the colour selected.

■ How to Use COLOR BALANCE



Using the COLOR BALANCE joystick, recordings made with the video camera set to the incorrect white balance and distorted colour balance can be compensated, or modified intentionally.

<Preparations>

Perform the operations in "Before operating" steps 1 – 3 on page 10 to play back the VCR-1 deck used for playback.

White balance adjustment:

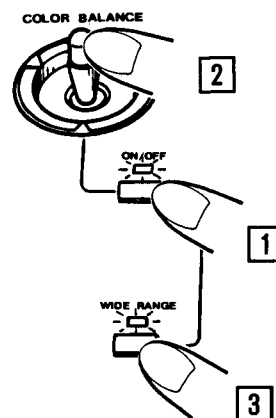
- 1 Press the COLOR BALANCE ON/OFF button to ON.
- 2 Operate COLOR BALANCE joystick to adjust the white balance. Set so that a white object looks like white, or human skin looks most natural.

When over-adjusting:

- 3 To change the colour balance greatly or intentionally apply an exaggerated effect, press the WIDE RANGE button.

How to generate special colour effects:

With the above operations 1, 2, you can gradually change a colour picture into a monochrome picture, or make a scene recorded in daylight appear to have been recorded at dusk. To make the picture monochrome, set the COLOR LEVEL control to its lightest position. Refer to "How to use colour level control" on page 16.



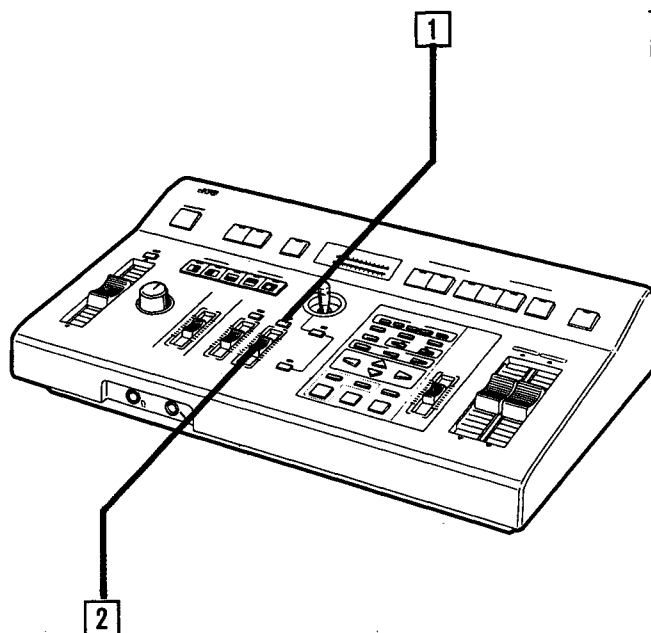
Notes on use of COLOR BALANCE:

- Video tapes recorded with extremely bad white balance may not be compensated sufficiently.
- When a video source with no colour signal such as that from a B/W video camera is input, the required colour may not be obtained.

●Also refer to "Cautions on editing" on page 12.

■ How to Use COLOR LEVEL Control

The COLOR LEVEL control allows you to change the colour intensity of the source picture.

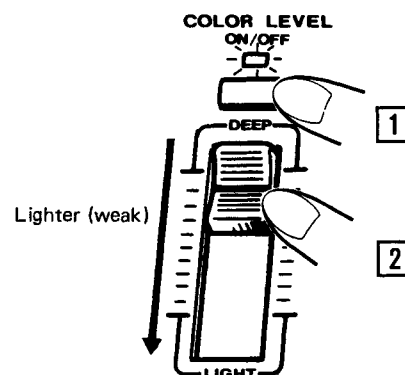


<Preparations>

Perform the operations in "Before operating" steps 1 – 3 on page 10 to play back the VCR-1 deck used for playback.

Colour level adjustment:

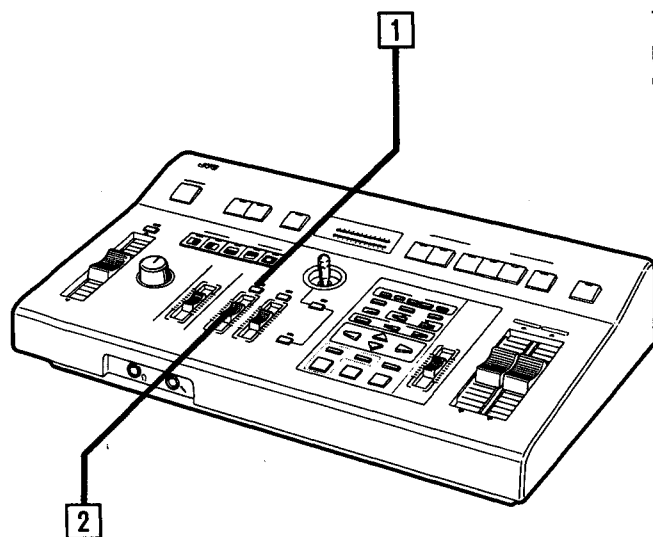
- 1 Press the COLOR LEVEL button so that the indicator lights.
- 2 Slide the COLOR LEVEL control to adjust the colour intensity. Set the DEEP (uppermost) position for the same intensity as the input signal, or slide toward LIGHT to get a lighter picture.



Note on use of COLOR LEVEL control:

- Even when the COLOR LEVEL control is set to the LIGHT position, a completely monochrome (black & white) picture may not be obtained, depending on the source used.

■ How to Use the ENHANCER



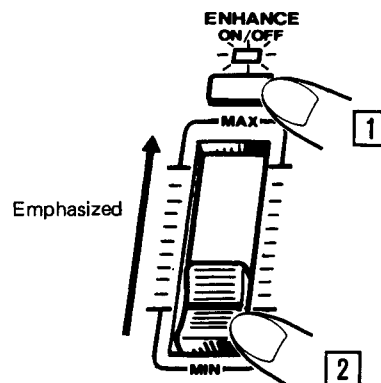
The ENHANCER control allows you to compensate blurred pictures to obtain a sharper image (to emphasize the edges or details of the picture).

<Preparations>

Perform the operations in "Before operating" steps 1 – 3 on page 10 to play back the VCR-1 deck used for playback.

Image enhancement:

- 1 Press the ENHANCER button.
- 2 Slide the ENHANCER control toward MAX (top) to emphasize the edges of the picture. During editing, it is recommended to set to a slightly weaker position to obtain a clearer picture. Set to the MIN (bottom) position to apply no enhancement effect.



■ How to Use the COLOR BAR Chart

<Preparations>

Perform the operations in "Before operating" steps 1 – 3 on page 10 to play back the VCR-1 deck used for playback.

To generate the colour bar chart:

- 1 Set the BACK COLOR knob to the COLOR BAR position.
- 2 Slide the VIDEO FADER control downward.

Notes on use of ENHANCER:

- When too much enhancer effect is applied, noise may increase or the picture may be distorted.
- The recorded picture may be slightly different from that seen on the monitor TV screen. Perform test recording in advance.

Note on use of COLOR BAR chart:

- The colour bar chart will not be output when no video signal is input.

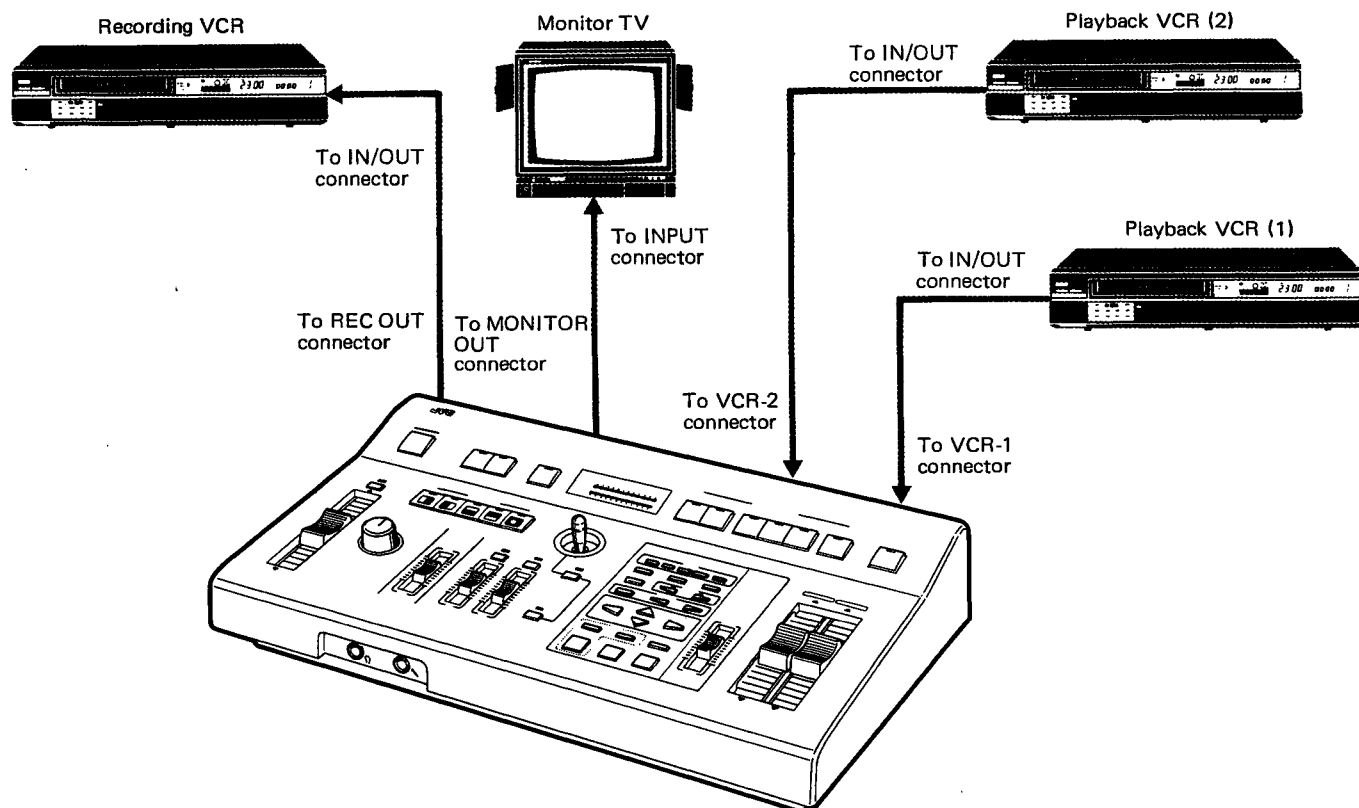
OPERATION (Practical Operations)

●The following shows an example of connections. Carefully read the instructions of the components to be connected.

■ Editing with Two Playback VCRs

< Editing Example >

When editing between two VCRs and recording onto another VCR:



<Preparations>

Connect each component as shown above referring to "Connections" on page 6 – 9.

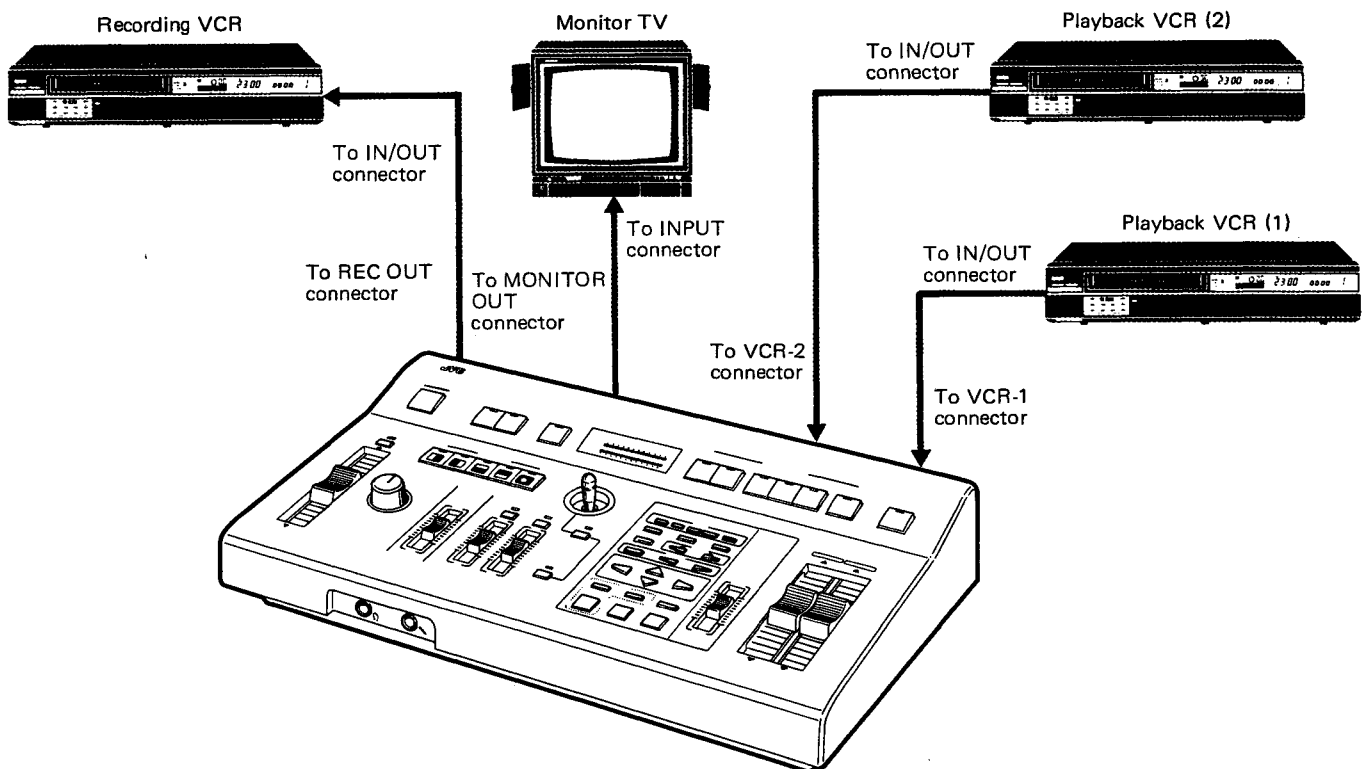
- 1 Turn on the power of the JX-SV77 and other components.
- 2 Press the SOURCE SELECT 1 button.
- 3 Set the playback VCR (1) to the playback mode.
- 4 Operate the wiper or colour balance, etc. as required and start recording on the recording VCR.
- 5 After editing is finished, set the recording VCR to the record-pause mode.
- 6 Press the SOURCE SELECT 2 button.
- 7 Set the playback VCR (2) to the playback mode and follow the operations in steps 4 and 5.

■ How to Use the EDITING CONTROL Function

The "Editing Control" function allows the playback and recording VCRs to start and pause simultaneously (with specific JVC VCRs having REMOTE PAUSE jacks):

< Editing Example >

When using the Editing Control function to play back the playback VCR-1 then VCR-2 while recording the material with the recording VCR.



< Preparations >

- Connect each component as shown above, referring to "Connections" on page 6 – 9.
- Using miniplug cables, connect the EDITING CONTROL "VCR-1" jack and "VCR-2" jack on the rear panel of the JX-SV77 to the "REMOTE PAUSE" jacks of the playback VCRs (1) and (2), and also connect the "REC" jack of the JX-SV77 to the "REMOTE PAUSE" jack of the recording VCR.

- 1 Turn on the power of the JX-SV77 and other components.
- 2 Press the SOURCE SELECT 1 button.
- 3 Locate the editing start point on the playback VCR (1) and set to the still (pause) mode.
- 4 Set the recording VCR to the record-pause mode.
- 5 Press the EDITING CONTROL button on the JX-SV77. (Approx. 16 seconds later, the playback VCR will be set to the play mode while the recording VCR will be set to the record mode automatically.)
- 6 To stop editing, press the EDITING CONTROL button again. (The playback VCR will be set to the still mode and the recording VCR will be set to the record-pause mode.)
- 7 Press the SOURCE SELECT 2 button.
- 8 Locate the editing start point on the playback VCR (2) and set to the still mode.
- 9 Repeat steps 4 – 6.

JVC VCRs allowing EDITING CONTROL

Applicable VCRs both to recording and playback:

HR-S5500, S5000, D950, D830, D750, D700, D620, D530, D521, D520, D440

(JVC VCR equipped with REMOTE PAUSE terminal and pre-roll function as well.)

Applicable VCRs only for recording:

HR-D430, D370, D330, D230, D227, D190, D180

(JVC VCR equipped with REMOTE PAUSE terminal.)

For details, consult JVC's retailers or JVC's service contacts.

VCR Pre-Roll function:

So that the editing timing of two machines is synchronized correctly, the pre-roll function slightly rewinds the video tape and sets the VCR to the standby mode several seconds before the editing start point to obtain clearer transitions. The Editing Control function provided with this unit allows this "pre-roll function" so the playback and recording VCRs can start and pause simultaneously.

Notes on use of EDITING CONTROL:

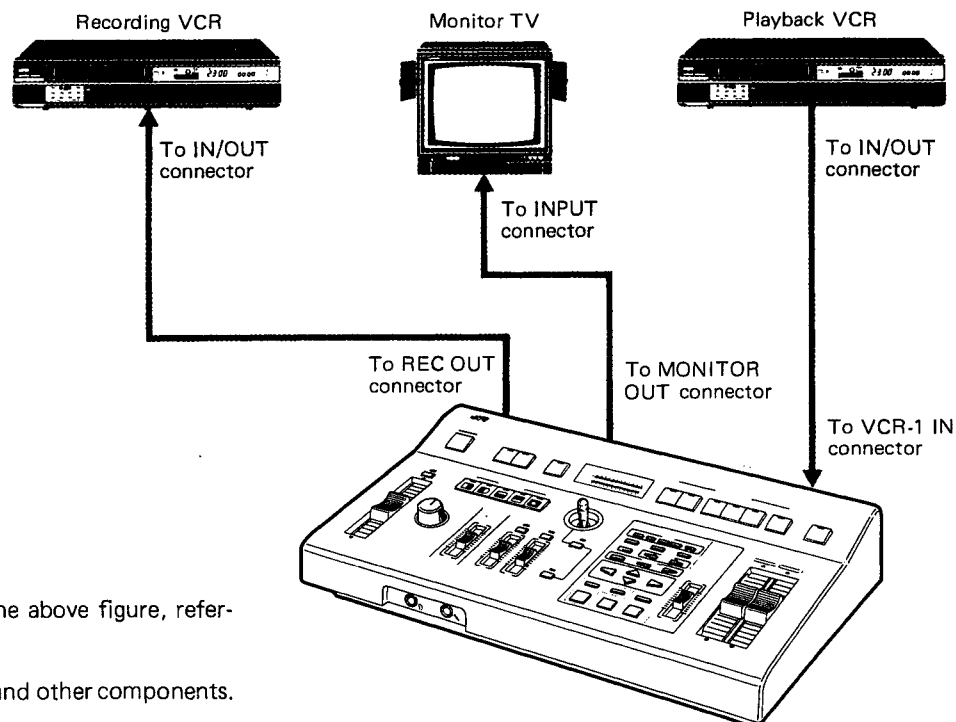
- This function is available only when specific JVC VCRs (having Remote Pause jacks) are used together with this unit.
- The EDITING CONTROL function does not operate correctly unless JVC VCRs used for both playback and recording and they are equipped with Remote Pause jacks.
- When connecting the EDITING CONTROL jacks, set the recording VCR to any mode other than record-pause, and the playback VCR to any mode other than still. Also set the EDITING CONTROL button to the PAUSE mode (with the indicator not lit).
- To stop editing, be sure to stop the operation by pressing the EDITING CONTROL button on the JX-SV77. (Do not use

the buttons on the VCRs.) However, when stopping editing before recording actually starts (within 16 seconds after pressing the EDITING CONTROL button), first press the stop buttons of the playback and recording VCRs, press the EDITING CONTROL button so that the indicator goes out, then perform operations from the beginning.

- If the input signal is switched over during editing by pressing the SOURCE SELECT buttons, the recording VCR will be set to the record-pause mode while the playback VCR will be set to the still play mode. At this time, the picture may be distorted. For this reason, do not switch input sources during editing.

■ How to Create Titles

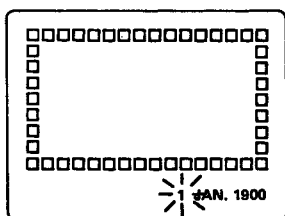
[Editing Example-1]
To create the title "HAPPY
BIRTHDAY 16 JUN. 1990"
on Page-1:



<Preparations>

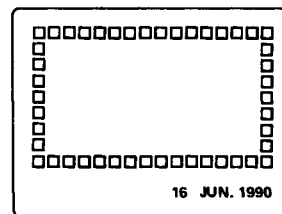
Connect each component as shown in the above figure, referring to "Connections" on pages 6 – 9.

- 1 Turn ON the power to the JX-SV77 and other components.
- 2 Press the SOURCE SELECT "SOURCE 1" button.
- 3 Start playing back the VCR used for playback.
- 4 Press the MONITOR SELECT "C/G PRE-VIEW" button.
- 5 Set the JX-SV77 to the title create mode.
 - (1) Press the PAGE-1 button.
 - (2) When the page indication appears:
Press the CREATE button.
 - (3) If the page indication does not appear (INSERT ON mode):
Press the INSERT ON/OFF button once to set to the INSERT OFF mode, and press the CREATE button.
- 6 Start creating the title.
 - (1) Press the DATE button so that the date indication appears. ("1" blinks as shown in the diagram on the right.)

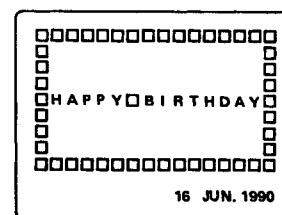


- (2) Press the CHARACTER SELECT "FWD" button to enter "16".
- (3) Press the "▶" cursor button so that the cursor moves to the "month" position.
- (4) Press the CHARACTER SELECT "FWD" or "REV" button to enter "JUN".

- (5) In the same way, enter "1990" as the year, using the cursor buttons and the CHARACTER SELECT "FWD" and "REV" buttons.



- (6) Press the "◀" or "▶" cursor button to move the cursor to the position where the character is to be input.
- (7) Enter "HAPPY BIRTHDAY" using the cursor buttons and the CHARACTER SELECT "FWD", "REV" and "SPACE" buttons.



- For the order in which characters appear, refer to page 25.
- (8) Press the MEMORY button to store the created titles in memory and terminate the create mode.

[Editing Example-2]

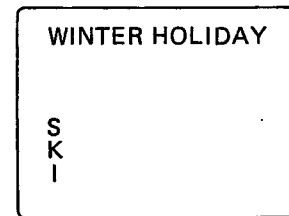
To create "WINTER HOLIDAY" (as a headline) and "SKI 1989" (to be scrolled) on the SCROLL page:

<Preparations>

Perform the operations in "Preparations" and the procedure from steps 1 to 4 in Editing Example-1.

- 1 Press the SCROLL button.
- 2 Set the JX-SV77 to the create mode.
- 3 Determine the size of the characters, using the SIZE button. Each time the SIZE button is pressed, the character size will be changed in the following order:
Small → "Headline" → Medium → Large → Very Large → Small
(The number of characters per line depends on the size of the characters, refer to "Function Comparison of each Page" on page 25.)
- 4 Create the required title.
 - (1) Enter "WINTER HOLIDAY" in the headline section, using the cursor buttons and the CHARACTER SELECT "FWD", "REV" and "SPACE" buttons.
 - (2) Determine the position of the first character using the cursor buttons.
(Refer to the section "Cursor movement in SCROLL page".)

- (3) Enter "SKI 1989" in the body section, to be scrolled, using the cursor buttons and CHARACTER SELECT "FWD", "REV" and "SPACE" buttons, as shown in the figure.



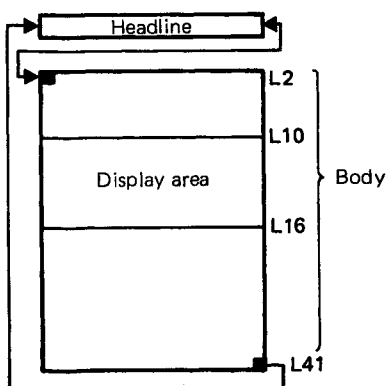
- For the order in which characters appear, refer to page 25.

- 5 Press the MEMORY button to store the created title in memory and terminate the create mode.

Cursor movement in SCROLL page

The SCROLL page has two sections; the headline section and the body section as shown in the figure. The body section can be scrolled up or down while the headline section remains at the same position. The body section that appears on the screen varies depending on the size of the characters and settings.

Example: When small characters are used.



- How to move the cursor to the "Headline" section:
When the cursor is at the left of the 2nd line (L2), press the "◀" button; when the cursor is at the right of the 41st line (L41), press the "▶" button.

Notes:

- The create mode cannot be entered when the INSERT switch is set to ON.
- The title created in the headline position cannot be scrolled. When it is required to be scrolled, move it to the "body copy" area by moving the cursor.

- While creating a title, it is impossible to shift to the another page. To shift to the another page, press the MEMORY button first, to store the title that has been created.

■ How to Record Characters (Titles)

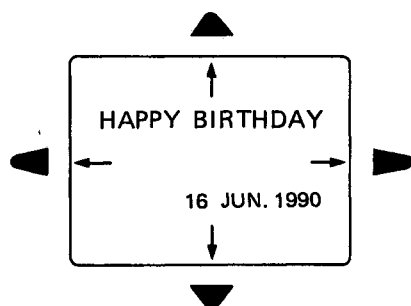
[Editing Example-1]

To record the title created in Editing Example-1 in "How to Create a Title" above using the recording VCR, fading the characters in and out:

<Preparations>

Create the title according to the procedure in Editing Example-1 in "How to Create a Title".

- 1 Arrange the title as required.
Using the TITLE POSITION buttons "▲", "▼", "◀" and "▶", move title to the required position.



- 5 Set the recording VCR to the record-pause mode.
- 6 Set the playback VCR to the playback mode and set the recording VCR to the record mode.
- 7 When the scene at which you want to superimpose the title is reached, press the FADE IN/OUT button.
- 8 When the scene at which you want to fade out the title is reached, press the FADE IN/OUT button again.
- 9 After editing is finished, set the recording VCR to the record-pause mode.

- 2 Press the MONITOR SELECT "PROGRAM" button.
- 3 Press the FADE IN/OUT button to set to FADE OUT.
- 4 Locate the editing start point on the playback VCR, and set the VCR to the still mode.

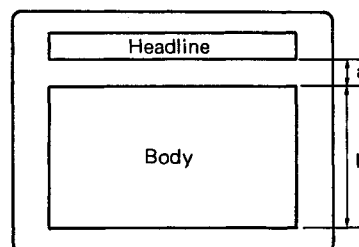
[Editing Example-2]

To record the title created in Editing Example-2 in "How to Create Titles" with the recording VCR:

<Preparations>

Create the title according to the Editing Example-2 in "How to Create Titles".

- 1 Set the scrolling lengths.
 - (1) Set the distance between the headline and the body ("a" in the figure on the right).
Press the DATE/SHIFT button and TITLE POSITION "▼" button to increase "a", or press the DATE/SHIFT button and the TITLE POSITION "▲" button to decrease "a".
 - (2) Set the length of the body area ("b" in the figure on the right).
Press the DATE/SHIFT button and TITLE POSITION "◀" button to decrease "b", or press the DATE/SHIFT button and the TITLE POSITION "▶" button to increase "b".
(Initial condition: "a" is minimum, "b" is maximum)



- 2 Arrange the title as required.
Using the TITLE POSITION buttons, move the characters to the required position.
- 3 Press the SCROLL SPEED button to set the scrolling speed (among 1 to 4 steps).
- 4 Press the SCROLL START/STOP button to start title scrolling.
- 5 Press the SCROLL REVERSE button two or three time to determine the best scroll start and stops positions.
- 6 Press the SCROLL REVERSE button to determine the scrolling direction (either up "↑" or down "↓").
- 7 Press the MONITOR SELECT "PROGRAM" button.
- 8 Press the INSERT ON/OFF button to set to the INSERT OFF mode.
- 9 Locate the editing start point on the playback VCR, and set the VCR to the still mode.
- 10 Set the recording VCR to the record-pause mode.
- 11 Set the playback VCR to the playback mode and set the recording VCR to the record mode.
- 12 When the scene at which you want to superimpose the title is reached, press the INSERT ON/OFF button.
- 13 Press the SCROLL START/STOP button to start scrolling the title.
- 14 Press the SCROLL START/STOP button again to stop scrolling.
- 15 Press the INSERT ON/OFF button again to set the INSERT mode OFF.
- 16 After editing is finished, set the recording VCR to the record-pause mode.

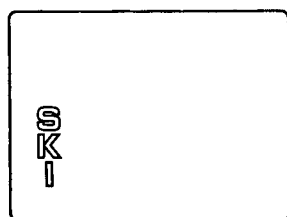
■ How to Add Edges to Characters

To emphasize the characters, a black edge can be added to each white character for more effective titles.
To do this, press the PAGE button in which the required title has been stored twice in succession.
To cancel the outline, press the PAGE button a third time. Only the white characters will remain.

<Example of SCROLL page>



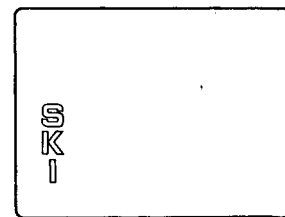
Press twice.



Outline ON (with black edges)



Press again.



Outline OFF (only white characters)

Order of Characters for CHARACTER SELECT buttons:

Diagram illustrating the keyboard layout for the FWD (Forward) and REV (Reverse) modes. The FWD mode shows a standard QWERTY layout with letters A-Z, numbers 0-9, and punctuation. The REV mode shows a reversed layout with letters Z-A, numbers 9-0, and punctuation. Arrows indicate the direction of the shift key press for each mode.

Order of Date Indication for PAGE-1:

- Day indication section

→ 1, 2, 3, 4, 5, 6, ----- 28, 29, 30, 31 ←

FWD ←

REV →

- Month indication section

→ JAN, FEB, MAR, APR, MAY, JUN, JUL, AUG, SEP, OCT, NOV, DEC ←

← REV

- Year indication section:

Initial value: "1900"; variable from "00" to "99" by 2-digits.

Function Comparison of each Page

| Function | | | Page | Date page | Standard page | Scroll page |
|---------------------------------------|------------|----------|------------------------|---|--|-------------|
| No. of pages | | | 1 | 3 | 1 | |
| Page indication (Monitor Out only) | | | P1 (left above corner) | P2 ~ P4 (left above corner) | SCRL L: 1 ~ 6 ↑ S: 4 | |
| Scroll line indication | | | x | x | L: 1 ~ 6 | |
| Scroll speed indication | | | x | x | S: 1 ~ S: 4 | |
| Scroll direction indication | | | x | x | ↑ Upward, ↓ Downward | |
| Page recall | | | Page 1 | Page 2 — 4 | Page Scroll | |
| Date indication | | | o (right above corner) | x | x | |
| Character size and capacity | Small | Display | 20 chars. x 8 lines | 20 chars. x 9 lines | 20 chars. x 8 lines | |
| | | Capacity | — | — | 20 chars. x 41 lines | |
| | Headline | Display | — | 12 chars. for 1st line 20 chars. x 7 lines | 12 chars. for 1st line 20 chars. for 2nd — 7th line | |
| | | Capacity | — | — | 12 chars. for 1st line 20 chars. x 40 lines | |
| | Medium | Display | — | 12 chars. x 7 lines | 12 chars. x 6 lines | |
| | | Capacity | — | — | 12 chars. x 41 lines | |
| | Large | Display | — | 8 chars. x 5 lines | 8 chars. x 4 lines | |
| | | Capacity | — | — | 8 chars. x 41 lines | |
| | Very Large | Display | — | 5 chars. x 4 lines | 5 chars. x 3 lines | |
| | | Capacity | — | — | 5 chars. x 41 lines | |
| Title position movement | | | o | o | o | |
| Scrolling | | | x | x | o | |
| Fade In/Out | | | o | o | o | |
| Insert On/Off | | | o | o | o | |

o: Available
x: Not available

TROUBLESHOOTING

What appears to be a malfunction may not always be serious. Make sure first

| | | | |
|--|---|--|---|
| No power. | <ul style="list-style-type: none"> Is the power cord disconnected from the AC outlet? Is the power button set to OFF? | <ul style="list-style-type: none"> Insert the power plug firmly into the AC outlet. Press the POWER button to ON. | |
| The picture and sound are not output correctly. | <ul style="list-style-type: none"> Are the input/output cords are connected to the VCR and monitor TV correctly, and is the required source selected correctly? Does the position of the signal select switch match those of the input select switch on the monitor TV and the video output switch on the playback VCR? Are the video/audio fader controls set to the OUT positions? | <ul style="list-style-type: none"> Check the connections and re-connect correctly; select the correct input source. Set the signal select switches (COMPOSITE or Y/C) on the monitor TV and playback VCR so they match the signal select switches on the JX-SV77. Set the video/audio fader controls to their IN positions. | <p>6 – 9</p> <p>7 – 9</p> <p>14</p> |
| Fader or wipe control does not function. | <ul style="list-style-type: none"> Is the BYPASS button set to ON (indicator is lit)? Has the MONITOR SELECT "PROGRAM" button been set to OFF? Is the WIPE ON/OFF or COLOR BALANCE ON/OFF button set to OFF (indicator not lit)? | <ul style="list-style-type: none"> Press the BYPASS ON/OFF button to OFF. Press the MONITOR SELECT "PROGRAM" button to ON. Press the WIPE ON/OFF or COLOR BALANCE ON/OFF button to ON. | <p>3</p> <p>11 – 12</p> <p>13, 15, etc.</p> |
| Processed picture is seen correctly on the monitor screen but not recorded on the VCR. | <ul style="list-style-type: none"> Is the connection cable connected to the recording VCR correctly? Is the input select switch on the recording VCR set to the "EXT" position? | <ul style="list-style-type: none"> Check the connection and correct. Set the input select switch on the recording VCR to the "EXT" position? | <p>7 – 8</p> <p>Refer to the instruction manual of the VCR used, again.</p> |
| Editing Control does not function. | <ul style="list-style-type: none"> Are the REMOTE PAUSE jacks on both playback and recording VCRs connected correctly to the EDITING CONTROL jacks (PLAY, REC) of the JX-SV77? Are you using a JVC VCR with a REMOTE PAUSE jack? | <ul style="list-style-type: none"> Check the connection and correct. Check the model No. of the VCR used. The Editing Control function of the JX-SV77 works only when used with JVC VCRs with REMOTE PAUSE jacks. | <p>6</p> <p>19 – 20</p> |
| Character Generator does not enter the create mode. | <ul style="list-style-type: none"> Is the INSERT ON/OFF button set to the ON? | <ul style="list-style-type: none"> Press the INSERT ON/OFF button once to set to OFF. | 21 |
| Character Generator does not change to other pages. | <ul style="list-style-type: none"> Is the Character Generator set to the create mode? | <ul style="list-style-type: none"> Press the MEMORY button to store the created titles and switch to the next page. | 21 – 22 |
| Characters are not output to the REC OUT connector. | <ul style="list-style-type: none"> Is the create mode engaged? | <ul style="list-style-type: none"> Press the MEMORY button to leave the create mode. | 23 |

SPECIFICATIONS

ENGLISH

| | |
|---------------|--|
| Inputs | |
| Source | : 2 lines (21-pin connector; video, audio L/R) |
| AUX | : 1 line (RCA pin jack; audio L/R) |
| MIC | : 1 line (6.3 mm dia. standard monaural phone) |

| | |
|----------------|--|
| Outputs | |
| Monitor | : 1 line (21-pin connector; video, audio L/R) |
| Rec Out | : 2 lines (21-pin connector; video, audio L/R) |

| | |
|------------------------------|----------------------------------|
| Editing Control jacks | |
| For recording VCR | : 1 line (3.5 mm dia. minijack) |
| For playback VCR | : 2 lines (3.5 mm dia. minijack) |

| | |
|--------------------|-----------------------------------|
| Video Input | |
| Reference input | : 1.0 Vp-p (75 ohms, unbalanced) |
| Maximum input | : 1.5 Vp-p (75 ohms, unbalanced) |
| Video Output | : 1.0 Vp-p (with reference input) |

| | |
|--------------------|--|
| Audio Input | |
| Reference input | : -10 dBV (316 mV, 47 kohms) |
| Maximum input | : +6 dBV (2.0 V at 1 kHz, 1% distortion) |

| | |
|-------------------------|--------------------------------|
| Microphone Input | |
| Reference input | : -65 dBV (0.56 mV, 4.7 kohms) |

| | |
|------------------------------|--|
| Audio Output | : -10 dBV (316 mV, 1 kohm) (with reference input) |
| Headphone Output | : 15 mW max. (with a load impedance of 33 ohms, 3% distortion) |
| Video Frequency Response | : 10 MHz -1 dB \pm 2 dB (S-video in/out) |
| Audio Frequency Response | : 5 Hz - 20 kHz \pm 2 dB |
| Audio Harmonic Distortion | : 0.01% (with reference input, 1 kHz) |
| Power requirements | : AC 220V~, 50/60Hz |
| AC 240 V~, 50 Hz (U.K. only) | |
| Power Consumption | : 20 watts (Power ON), 2.5 watts (Power OFF) |
| Dimensions | : 435 (W) x 106 (H) x 269 (D) mm (including knobs, jacks and feet) |
| Weight | : 3.3 kg |

Design and specifications subject to change without notice.